

What is claimed is:

1. A tension mask frame assembly of a color cathode-ray tube, comprising:
a tension mask including a plurality of parallel strips spaced at predetermined intervals apart from each other and a plurality of real bridges connecting adjacent strips to each other to form slots through which electron beams pass, the number of real bridges decreasing in a direction from the center portion of said tension mask to the peripheral portion of said tension mask;
a frame for supporting said tension mask accommodating a tensile force applied to said tension mask in the direction of the strips; and
at least one damper installed on the frame and contact the strips of the tension mask.

2. The tension mask frame assembly of a color cathode-ray tube of claim 1, said damper comprising of at least one damping wire having both ends secured to said frame, said damping wire contacting each one of said strips.

3. The tension mask frame assembly of a color cathode-ray tube of claim 1, said damper being made up of two damping wires, one end being secured to said tension mask and the other end being secured to said frame.

4. The tension mask frame assembly of a color cathode-ray tube of claim 1, the number of real bridges connecting with an end strip being at most one, said end strip being horizontally at the outermost side of said tension mask and adjacent to a strip of said tension mask.

1 5. The tension mask frame assembly of a color cathode-ray tube of claim 1, with a
2 plurality of dummy bridges extending from adjacent strips in a facing direction accommodating no
3 contact with each other being installed between two real bridges for connecting strips.

1 6. The tension mask frame assembly of a color cathode-ray tube of claim 5, said damper
2 comprising of at least one damping wire having both ends secured to said frame, said damping wire
3 contacting each one of said strips.

1 7. The tension mask frame assembly of a color cathode-ray tube of claim 5, said damper
2 being made up of two damping wires, one end being secured to said tension mask and the other end
3 being secured to said frame.

1 8. The tension mask frame assembly of a color cathode-ray tube of claim 1, with said
2 tension mask further comprising a dummy bridge region including a plurality of dummy bridges
3 extending from at least one strip of adjacent strips accommodating the extending strip to not contact
4 the facing strip.

1 9. The tension mask frame assembly of a color cathode-ray tube of claim 8, said damper
2 comprising of at least one damping wire having both ends secured to said frame, said damping wire
3 contacting each one of said strips.

1 10. The tension mask frame assembly of a color cathode-ray tube of claim 8, said damper
2 being made up of two damping wires, one end being secured to said tension mask and the other end
3 being secured to said frame.

1 11. The tension mask frame assembly of a color cathode-ray tube of claim 8, the strips
2 having the dummy bridge regions further comprising real bridges.

1 12. The tension mask frame assembly of a color cathode-ray tube of claim 1, with said
2 tension mask further comprising an aperture grille region including a single slot defined by strips,
3 said aperture grille region being disposed toward the periphery of the tension mask.

1 13. The tension mask frame assembly of a color cathode-ray tube of claim 12, said
2 damper comprising of at least one damping wire having both ends secured to said frame, said
3 damping wire contacting each one of said strips.

1 14. The tension mask frame assembly of a color cathode-ray tube of claim 12, said
2 damper being made up of two damping wires, one end being secured to said tension mask and the
3 other end being secured to said frame.

1 15. The tension mask frame assembly of a color cathode-ray tube of claim 1, with the
2 number of real bridges decreasing in an X-axis direction, the X-axis being perpendicular to the
3 length of the strips of said tension mask.

1 16. A tension mask frame assembly of a color cathode-ray tube, comprising:
2 a tension mask of mixed type including a plurality of parallel strips spaced at predetermined intervals
3 apart from each other, a real bridge region having real bridges for connecting adjacent strips to each
4 other to form slots accommodating electron beams pass to pass through, the real bridge region being
located at the center of said tension mask, and a dummy bridge region having a plurality of dummy
bridges extending from at least one strip of adjacent strips accommodating the extending strip to not
mechanically contact the facing strip, the dummy bridge regions being located on the peripheral
portion of said tension mask;

 a frame supporting said tension mask accommodating a tensile force being applied to said
tension mask; and

 at least one damper being installed on said frame and contacting the strips of said tension
mask.

1 17. The tension mask frame assembly of a color cathode-ray tube of claim 16, said
2 damper comprising of at least one damping wire having both ends secured to said frame, said
3 damping wire contacting each of said strips.

1 18. The tension mask frame assembly of a color cathode-ray tube of claim 16, said
2 damper comprising of at least one damping wire having both ends secured to said frame, said
3 damping wire contacting at least one of said strips.

1 19. The tension mask frame assembly of a color cathode-ray tube of claim 16, said
2 damper being made up of two damping wires, one end of damping wires being secured to said
3 tension mask and the other end being secured to said frame.

20. The tension mask frame assembly of a color cathode-ray tube of claim 16, with said
dummy bridge region further comprising real bridges for connecting adjacent strips to each other,
the number of real bridges gradually decreases in a direction from the center of said tension mask
to the periphery of said tension mask.

21. A tension mask frame assembly of a color cathode-ray tube, comprising:
a tension mask of mixed type including a plurality of parallel strips spaced at predetermined
intervals apart from each other, a real bridge region having real bridges connecting adjacent strips
to each other to form slots through which electron beams pass, the real bridge region being located
at the center of said tension mask, a dummy bridge region having a plurality of dummy bridges
extending from at least one strip of adjacent parallel strips accommodating the extending strip to not
mechanically contact the facing strip, said dummy bridge region being located at the outer side of

8 said real bridge region, and an aperture grille region having a single slot defined by strips, said
9 aperture grille region being located at the outer side of said dummy bridge region;
10 a frame supporting said tension mask to accommodate a tensile force being applied to said
11 tension mask; and
12 at least one damper being installed on said frame and contacting the strips of said tension
13 mask.

1 22. The tension mask frame assembly of a color cathode-ray tube of claim 21, said
damper comprising of at least one damping wire with both ends being secured to said frame, said
damping wire contacting each of said strips.

2 23. The tension mask frame assembly of a color cathode-ray tube of claim 21, said
damper comprising of two damping wires, one end of said damping wires being secured to said
tension mask and the other end being secured to said frame.

1 24. The tension mask frame assembly of a color cathode-ray tube of claim 21, with the
2 strips in said dummy bridge region being connected to each other by real bridges.

1 25. The tension mask frame assembly of a color cathode-ray tube of claim 21, with the
2 number of real bridges for connecting adjacent strips to each other gradually decreases in a direction
3 from the center of said real bridge region to the periphery of said dummy bridge region.

1 26. The tension mask frame assembly of a color cathode-ray tube of claim 24, with the
2 strips in the aperture grille region being connected to each other by real bridges.

FOI 2015-07-101